

**1. Identification**

|                                      |   |
|--------------------------------------|---|
| <b>Product identifier</b>            | <b>NOVOCOAT™ SC3300 NOVOLAC EPOXY LINING PART A</b> |
| <b>Other means of identification</b> | None.   |
| <b>Recommended use</b>               | Lining  |
| <b>Recommended restrictions</b>      | None known.   |

**Manufacturer/Importer/Supplier/Distributor information**

|                     |                                    |
|---------------------|------------------------------------|
| <b>Company Name</b> | Armor Limited, Inc.                |
| <b>Address</b>      | 2410 US-15 South, Sumter, SC 29150 |

|   |   |
|---|---|
| <b>After hours telephone number</b>       | 1-877-982-7667  |
| <b>Normal work hours telephone number</b> | 1-877-982-7667  |
| <b>Website</b>                            | www.armor-inc.com   |
| <b>E-mail</b>                             | customerservice@armor-inc.com   |
| <b>Emergency 24-hour telephone number</b> | CHEMTREC North America: +1-800-424-9300, International: +1-703-527-3887 |
| <b>Information on operation hours</b>     | 8:00 a.m. to 5:00 p.m.  |

**2. Hazard(s) identification**

|                              |                                   |            |
|------------------------------|-----------------------------------|------------|
| <b>Physical hazards</b>      | Not classified.                   |            |
| <b>Health hazards</b>        | Skin corrosion/irritation         | Category 2 |
|                              | Serious eye damage/eye irritation | Category 2 |
|                              | Sensitization, skin               | Category 1 |
|                              | Germ cell mutagenicity            | Category 2 |
|                              | Carcinogenicity                   | Category 2 |
| <b>Environmental hazards</b> | Not classified.                   |            |
| <b>OSHA defined hazards</b>  | Not classified.                   |            |

**Label elements**


|                                |  |
|--------------------------------|--|
| <b>Signal word</b>             | Warning  |
| <b>Hazard statement</b>        | Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing genetic defects. Suspected of causing cancer.   |
| <b>Precautionary statement</b> |  |
| <b>Prevention</b>              | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.   |
| <b>Response</b>                | IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. Specific treatment (see this label). If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Wash hands after handling |
| <b>Storage</b>                 | Store locked up.   |
| <b>Disposal</b>                | Dispose of contents/container in accordance with local/regional/national/international regulations.  |

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None.

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name   | Common name and synonyms | CAS number | %         |
|---|--------------------------|------------|-----------|
| PHENOL-FORMALDEHYDE POLYMER<br>GLYCIDYL ETHER             |                          | 28064-14-4 | 40 - 60   |
| QUARTZ  |                          | 14808-60-7 | 1 - 20    |
| 4,4'-ISOPROPYLIDENEDIPHENOL-E<br>PICHLOROHYDRIN COPOLYMER |                          | 25068-38-6 | 1 - 10    |
| RESORCINOL DIGLYCIDYL EHTER                               |                          | 101-90-6   | 1 - 10    |
| OXIRANE,<br>MONO[(C12-14-ALKYLOXY)METHYL<br>] DERIVS.     |                          | 68609-97-2 | < 1       |
| SOLVENT NAPHTHA (PETROLEUM),<br>LIGHT AROM.               |                          | 64742-95-6 | < 1       |
| Other components below reportable levels                  |                          |            | 30 - < 40 |

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.   |
| <b>Skin contact</b>   | Wash off with soap and water. Take off contaminated clothing and wash before reuse. Get medical attention if irritation develops and persists.  |
| <b>Eye contact</b>  | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.   |
| <b>Ingestion</b>  | Rinse mouth. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not induce vomiting. Get medical attention if symptoms occur. |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Direct contact with eyes may cause temporary irritation.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Treat symptomatically.  |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.  |

### 5. Fire-fighting measures

|  |  |
|--|--|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).   |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.   |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.  |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk.  |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.   |
| <b>General fire hazards</b>  | No unusual fire or explosion hazards noted.  |

### 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. For personal protection, see section 8 of the SDS. |
|--|---|

## Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

## Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

### Precautions for safe handling

Avoid contact with skin. Avoid contact with eyes. Avoid prolonged exposure. Observe good industrial hygiene practices. Provide adequate ventilation. Wash thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray.

### Conditions for safe storage, including any incompatibilities

Store in tightly closed container. Store locked up. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components              | Type | Value                  | Form             |
|-------------------------|------|------------------------|------------------|
| QUARTZ (CAS 14808-60-7) | PEL  | 0.05 mg/m <sup>3</sup> | Respirable dust. |

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

| Components              | Type | Value                 | Form        |
|-------------------------|------|-----------------------|-------------|
| QUARTZ (CAS 14808-60-7) | TWA  | 0.1 mg/m <sup>3</sup> | Respirable. |
|                         |      | 2.4 mppcf             | Respirable. |

#### US. ACGIH Threshold Limit Values

| Components              | Type | Value                   | Form                 |
|-------------------------|------|-------------------------|----------------------|
| QUARTZ (CAS 14808-60-7) | TWA  | 0.025 mg/m <sup>3</sup> | Respirable fraction. |

#### US. NIOSH: Pocket Guide to Chemical Hazards

| Components              | Type | Value                  | Form             |
|-------------------------|------|------------------------|------------------|
| QUARTZ (CAS 14808-60-7) | TWA  | 0.05 mg/m <sup>3</sup> | Respirable dust. |

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Wear safety glasses with side shields (or goggles).

#### Skin protection

##### Hand protection

Wear appropriate chemical resistant gloves.

##### Other

Wear suitable protective clothing.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

### General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### Appearance

#### Physical state

Liquid.

#### Form

Liquid.

#### Color

Not available.

|   |                      |
|---|----------------------|
| <b>Odor</b>   | Not available.       |
| <b>Odor threshold</b>                               | Not available.       |
| <b>pH</b>   | Not available.       |
| <b>Melting point/freezing point</b>                 | Not available.       |
| <b>Initial boiling point and boiling range</b>      | Not available.       |
| <b>Flash point</b>                                  | > 200 °F (> 93.3 °C) |
| <b>Evaporation rate</b>                             | Not available.       |
| <b>Flammability (solid, gas)</b>                    | Not applicable.      |
| <b>Upper/lower flammability or explosive limits</b> |                      |
| <b>Flammability limit - lower (%)</b>               | Not available.       |
| <b>Flammability limit - upper (%)</b>               | Not available.       |
| <b>Explosive limit - lower (%)</b>                  | Not available.       |
| <b>Explosive limit - upper (%)</b>                  | Not available.       |
| <b>Vapor pressure</b>                               | Not available.       |
| <b>Vapor density</b>                                | Not available.       |
| <b>Relative density</b>                             | Not available.       |
| <b>Solubility(ies)</b>                              |                      |
| <b>Solubility (water)</b>                           | Not available.       |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.       |
| <b>Auto-ignition temperature</b>                    | Not available.       |
| <b>Decomposition temperature</b>                    | Not available.       |
| <b>Viscosity</b>                                    | Not available.       |
| <b>Other information</b>                            |                      |
| <b>Density</b>                                      | 12.90 lb/gal         |
| <b>Specific gravity</b>                             | 1.55 @25°C           |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport                            |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.  |
| <b>Conditions to avoid</b>                | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials. |
| <b>Incompatible materials</b>             | Powerful oxidizers. Aluminum. Chlorine. Phosphorus.   |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.  |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Prolonged inhalation may be harmful.   |
| <b>Skin contact</b> | Causes skin irritation.                |
| <b>Eye contact</b>  | Causes serious eye damage.             |
| <b>Ingestion</b>    | Expected to be a low ingestion hazard. |

**Symptoms related to the physical, chemical and toxicological characteristics** Exposure may cause temporary irritation, redness, or discomfort. May cause an allergic skin reaction.

### Information on toxicological effects

**Acute toxicity** Not available.

**Skin corrosion/irritation** Causes skin irritation.  
**Serious eye damage/eye irritation** Causes serious eye irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization** Not a respiratory sensitizer.  
**Skin sensitization** May cause an allergic skin reaction.

**Germ cell mutagenicity** Suspected of causing genetic defects.

**Carcinogenicity** Suspected of causing cancer.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

QUARTZ (CAS 14808-60-7) 1 Carcinogenic to humans.  
RESORCINOL DIGLYCIDYL ETHER (CAS 101-90-6) 2B Possibly carcinogenic to humans.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

QUARTZ (CAS 14808-60-7) Cancer

**US. National Toxicology Program (NTP) Report on Carcinogens**

QUARTZ (CAS 14808-60-7) Known To Be Human Carcinogen.  
RESORCINOL DIGLYCIDYL ETHER (CAS 101-90-6) Reasonably Anticipated to be a Human Carcinogen.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects

**12. Ecological information**

**Ecotoxicity** The product contains a substance which is toxic to aquatic organisms.

| Product   | Species | Test Results |
|---|---------|--------------|
| NOVOCOAT™ SC3300 NOVOLAC EPOXY LINING PART A                |         |              |
| <b>Aquatic</b>  |         |              |
| Crustacea   | EC50    | Daphnia      |
| 303.05 mg/l, 48 hours estimated                             |         |              |
| Components  | Species | Test Results |
| PHENOL-FORMALDEHYDE POLYMER GLYCIDYL ETHER (CAS 28064-14-4) |         |              |
| <b>Aquatic</b>  |         |              |
| <i>Acute</i>  |         |              |
| Fish  | LC50    | Fish         |
| 1 - 10 mg/l   |         |              |

**Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

**Bioaccumulative potential** No data available.

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**13. Disposal considerations**

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not discharge into drains, water courses or onto the ground.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

### IATA

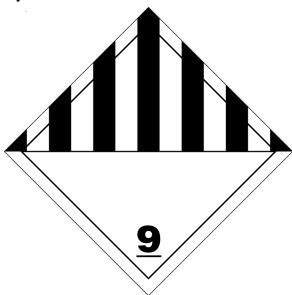
|                                     |  |
|-------------------------------------|--|
| <b>UN number</b>                    | UN3082   |
| <b>UN proper shipping name</b>      | Environmentally hazardous substance, liquid, n.o.s.<br>(4,4'-ISOPROPYLIDENEDIPHENOL-EPICHLOROHYDRIN COPOLYMER) |
| <b>Transport hazard class(es)</b>   |  |
| <b>Class</b>                        | 9  |
| <b>Subsidiary risk</b>              | -  |
| <b>Packing group</b>                | III  |
| <b>Environmental hazards</b>        | YES  |
| <b>ERG Code</b>                     | 9L   |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling.  |
| <b>Other information</b>            |  |
| <b>Passenger and cargo aircraft</b> | Allowed with restrictions.   |
| <b>Cargo aircraft only</b>          | Allowed with restrictions.   |

### IMDG

|                                     |  |
|-------------------------------------|--|
| <b>UN number</b>                    | UN3082   |
| <b>UN proper shipping name</b>      | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(4,4'-ISOPROPYLIDENEDIPHENOL-EPICHLOROHYDRIN COPOLYMER), MARINE POLLUTANT |
| <b>Transport hazard class(es)</b>   |  |
| <b>Class</b>                        | 9  |
| <b>Subsidiary risk</b>              | -  |
| <b>Packing group</b>                | III  |
| <b>Environmental hazards</b>        |  |
| <b>Marine pollutant</b>             | Yes  |
| <b>EmS</b>                          | F-A, S-F   |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling.  |

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

### IATA; IMDG



### Marine pollutant



## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

QUARTZ (CAS 14808-60-7)

Cancer  
lung effects  
immune system effects  
kidney effects**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312** Yes**Hazardous chemical****Classified hazard categories** Skin corrosion or irritation  
Serious eye damage or eye irritation  
Respiratory or skin sensitization  
Germ cell mutagenicity  
Carcinogenicity**SARA 313 (TRI reporting)**

| Chemical name               | CAS number | % by wt. |
|-----------------------------|------------|----------|
| RESORCINOL DIGLYCIDYL EHTER | 101-90-6   | 1 - 10   |

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.**US state regulations****California Proposition 65****WARNING:** This product can expose you to chemicals including QUARTZ, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).**California Proposition 65 - CRT: Listed date/Carcinogenic substance**QUARTZ (CAS 14808-60-7) Listed: October 1, 1988  
RESORCINOL DIGLYCIDYL EHTER (CAS 101-90-6) Listed: July 1, 1989**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**QUARTZ (CAS 14808-60-7)  
RESORCINOL DIGLYCIDYL EHTER (CAS 101-90-6)  
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. (CAS 64742-95-6)**International Inventories**

| Country(s) or region | Inventory name   | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia            | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada               | Domestic Substances List (DSL)   | Yes                    |
| Canada               | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe               | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe               | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                | Existing Chemicals List (ECL)  | Yes                    |

| Country(s) or region        | Inventory name  | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| New Zealand                 | New Zealand Inventory   | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes                    |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                        | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                     | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 02-02-2022

**Revision date** 02-02-2022

**Version #** 02

**NFPA ratings**  
Health: 2  
Flammability: 1  
Instability: 0

**Disclaimer**  
The information provided in this Safety Data Sheet is correct to the best of our knowledge information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Revision information**  
Hazard(s) identification: Response  
Physical & Chemical Properties: Multiple Properties  
Transport Information: Proper Shipping Name/Packing Group